

In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A parking lock for a brake of a vehicle, which parking lock has the form of a unit surrounding a piston rod of a service brake actuator, which parking lock unit comprises an electrically actuated locking means, characterized in that the parking lock unit comprises a magnetic housing, enclosing an electromagnet and a numberplurality of jaws, moveable in a radial direction in the parking lock unit.
2. (original) The parking lock of claim 1, characterized in that the locking means is self-locking.
3. (previously presented) The parking lock of claim 1, characterized in that the piston rod is received in a central opening of the parking lock unit and that the piston rod is axially moveable in relation to the parking lock unit.
4. (previously presented) The parking lock of claim 3, characterized in that the jaws received in the magnetic housing form a ring surrounding the piston rod.
5. (previously presented) The parking lock of claim 4, characterized in that a ring is received in the magnetic housing, which ring is made of a magnetically isolating material and is facing the jaws and that each jaw has a conical surface for co-operation with a conical surface of the ring.
6. (previously presented) The parking lock of claim 1, characterized in that coils forming the electromagnet are received in a circular recess in the magnetic housing.

7. (previously presented) The parking lock of claim 1, characterized in that the jaws have grooves on the side turned towards the piston rod and that the piston rod has grooves on the outer periphery and in the area for the parking lock unit and/or that the magnetic housing and the jaws are made of a magnetic material.
8. (previously presented) The parking lock of claim 7, characterized in that the grooves of the piston rod and the jaws, respectively, have the form of threads.
9. (previously presented) The parking lock of claim 1, characterized in that the parking lock unit comprises three to six jaws evenly distributed around the piston rod.
10. (previously presented) The parking lock of claim 1, characterized in that jaw return springs are placed between adjacent jaws to urge the jaws radially outwards.
11. (previously presented) The parking lock of claim 1, characterized in that an annular tension spring is arranged to urge the jaws radially inwards.
12. (previously presented) The parking lock of claim 1, characterized in that the magnetic housing is urged against a domed part by means of a spring, which is acting between a shoulder of the magnetic housing and an outer housing of the parking lock unit, whereby any radial movement of the piston rod, caused by a lever of the brake acting on the piston rod, is taken up by movement between the magnetic housing and the domed part.
13. (previously presented) The parking lock of claim 1, characterized in that a plate of a magnetic material is placed in a recess on the jaws and that the plate has a radial extent corresponding to the position of the electromagnet.

14. (previously presented) The parking lock of claim 1, characterized in that the piston rod is formed of two parts, which are axially moveable in respect of each other, and whereby one of the parts of the piston rod is free to move axially even if the other part is locked by the parking lock.

15. (previously presented) The parking lock of claim 4, characterized in that each jaw has a conical surface for co-operation with a conical surface of the magnetic housing.

16. (previously presented) The parking lock of claim 9, characterized in that the parking lock unit comprises three jaws.

17. (new) A parking lock for a brake of a vehicle, which parking lock has the form of a unit surrounding an axially moveable piston rod of a service brake actuator, which parking lock unit comprises an electrically actuated locking means, characterized in that the parking lock unit comprises a magnetic housing, enclosing an electromagnet and a plurality of jaws, moveable in a radial direction in the parking lock unit, the jaws, when locked, preventing axial movement of the piston rod.